

ERTH - Earth Systems

ERTH 516. North Rocky Mtn Geology. 2 Credits. (1 Lab) Su

PREREQUISITE: EARTH 101IN, early history and evolution (GEO 211); graduate standing; secondary teaching certification plus two years teaching experience ; a computer with modem. Geologic history of Northern Rocky Mountains, and landscapes from Archean to present. Structural, tectonic, and surficial elements. Field examination of geologic evidence for history of the Gallatin Range, Bridger Range, and Yellowstone National Park. Exploration and development of teaching methods and resources for the K-12 classroom.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10835	001	Non-standard term dates 13-JUL-20 17-JUL-20	-	-	-

ERTH 520. Fundamentals of Oceanography for Teachers. 3 Credits. (3 Lec) S,Su

PREREQUISITES: Graduate standing; science educator; interest in science/ This course will provide students with an introduction to the chemical, physical, biological and geological properties of the ocean. Students will learn the complexities of these interrelationships, their influence on terrestrial ecosystems and the impacts of humans on these processes.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11127	801	Intersession	-	ONLINEWEB-	-

ERTH 525. Landforms for Elementary Teachers. 1 Credit. (1 Lec.) F

PREREQUISITES: graduate standing; educator In this 8 week online course we will investigate landform science. We will look at a variety of landscapes and how they came to look like they do. We will model landforms and encourage sharing and discussions of teaching ideas in our course. This course intends to: 1) strengthen and deepen the elementary teacher's understanding of basic concepts of landforms and landform analysis; 2) increase the K-6 teacher's level of landform content knowledge and science principles; and 3) increase the K-6 teacher's pedagogical skills in teaching science in general and landform science in particular.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11162	801	Second Half Session	-	ONLINEWEB-	-

ERTH 528. Climate Change for Teachers. 3 Credits. (3 Lec) Su

PREREQUISITES: Graduate standing; EARTH 527: Weather and Climate for Teachers The science of climate change is a complex subject that balances the physical record and scientific fact with politics, policy, and ethics. This course, specially designed for practicing science teachers at the upper middle to high school level, explores the science of climate change.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11075	801	Intersession	-	ONLINEWEB-	-

ERTH 588. Professional Development. 1-3 Credits. (1-3 Lec; 3 cr max) On Demand

Max 3 cr. PREREQUISITE: Graduate standing, teaching experience and/or current employment in a school organization, consent of instructor and Dean of Graduate Studies. Courses offered on a one-time basis to fulfill professional development needs of in service educators. A specific focus is given to each course which is appropriately subtitled. May be repeated.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10847	750	Non-standard term dates 18-MAY-20 07-AUG-20	-	-	-

ERTH 591. Special Topics. 1-4 Credits. (1-4 Sem; 12 cr max)

PREREQUISITE: Upper division courses and others as determined for each offering. Courses not required in any curriculum for which there is a particular one time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11427	001	Non-standard term dates 08-JUN-20 13-AUG-20	-	-	-

ERTH 594. Seminar. 1-4 Credits. (1 Sem; 4 cr max) F,S

PREREQUISITE: Graduate standing, consent of instructor, or seniors by petition. Course prerequisites as determined for each offering. Topics offered at the graduate level which are not covered in regular courses. Students participate in preparing and presenting discussion material. Co-convened with EARTH 494.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	10834	001	Non-standard term dates 18-JUL-20 18-JUL-20	S	-	-

ERTH 596. Geology of Glacier National Park for Teachers. 2 Credits. (1 Lec. 1 Lab) Su

PREREQUISITES: Teacher of science with a minimum of two years teaching experience. A field course for teachers of science examining geologic evidence for the evolution of the rocks and landscape of Glacier National Park and surrounding areas over geologic time.

Term	CRN	Section	Session/Dates	Days	Location	Time
2020 Summer Semester	11054	001	Non-standard term dates 19-JUL-20 24-JUL-20	-	-	-

Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.